

Cracklin' Static

September 2023 Edition



SIERRA NEVADA
Amateur Radio Society

**In-person and virtual
meeting at Jack's Café
#2 September 2,
starting at 7 AM. For
details see pg 6 ...**

SNARS NET on DMR – Tuesdays 8pm
DMR Talk Group: 31328 SNARS

**SNARS Treasury Closing Balances
Per W7DBE as of 8-26-23**

Operating	\$1,922
Convention	\$4,059
Self Insurance	\$17,003
Savings	\$1,864
PayPal	\$915
Total	\$25,763

Net Income / Year	-\$13,365
Net Income / Month	-\$12,189

Memberships 19

Donations	
Amazon Smile	\$114
PayPal Giving	\$24
Members	\$6,955
Total	\$7,093

Notes:

- 1) Transferred \$1,500 from PayPal to Operating
- 2) Purchased 4 UHF repeaters for \$11,620 for system upgrades
- 3) Transferred \$500 from PayPal to Operating
- 4) Made deposit for Tri-Club PicNic
- 5) Paid for convention related Domain Names

SNARS Membership as of 8-27-23

Extra	133	34%
Technician	124	31%
General	118	30%
Advanced	14	4%
No License	7	2%
Total	396	

SNARS ARRL Members as of 8-27-23

Regular	249	63%
Life	38	10%

PRESIDENT'S VOICE

SNARS PRESIDENT BARRY BETTMAN, K6ST

As summer comes to an end, SNARS is looking forward to more fun activities.

For the month of September SNARS has Saturday, September 2nd as our Monthly HYBRID meeting for an in-person 7AM PT breakfast, 8AM PT business meeting, and Presentation: "When the ISS SSTV is back online, will you be ready?" with K7AGE Randy, and he says "I believe the ISS system is broken and that replacement gear arrived at the ISS. So, we hope that we will see some pictures soon". We have limited seating for breakfast at Jack's #2 Coffee Shop. You must pre-register for both in-person and Zoom. In-Person Breakfast and Hybrid Zoom registration



registration link <https://snars.org/monthly-meeting/> or click on the banner below!

SNARS Hybrid Breakfast Meeting

Jack's Coffee Shop #2

Saturday, Sep 2nd

REGISTER NOW!



Summer Ham Swap at Cabelas, Reno, Nevada

8650 Boomtown Garson Rd. Verdi, NV (RENO)

More Info <http://renohamswap.com/>

Saturday, September 23, 2023

Talk-In Repeater: 147.210 + PL

100.0

DMR: Talk Group: SNARS
(31328)

7:00 AM - Swap Setup

\$10.00 Per Parking Lot Space

Approx 8'x16'

8:00 AM - Open to Public

Swap Opens to The General

Public

10:00 AM - Raffle Drawing

Purchase raffle tickets at the event.

3rd prize is \$20, 2nd prize is an RV Power Meter with Anderson Power Poles, 1st Prize is a connector kit.

President's Voice continued next page.....

Multi-Club Members (SNARS, TARA, SIERA) Picnic on Sept 30, 2023 11AM - 4PM

Who's interested in getting together for a Picnic hosted by (SNARS, TARA, SIERA)?

Thanks to the 3 clubs of SNARS "Sierra Nevada Amateur Radio Society", TARA "Tahoe Amateur Radio Association", and SIERA "Sierra Intermountain Emergency Radio Association" coming together for this multi-club members picnic.

This fun picnic will be held on **Saturday, September 30, 2023 11AM-4PM** at Lakeview Picnic Group Area inside of Davis Creek Regional Park, Washoe Valley, Nevada.



And we are planning on a fox hunt activity as well as operating W1AW/7 Nevada on HF too.

Please save the date **Saturday, September 30, 2023 11AM - 4PM** on your calendars. If you are a SNARS, TARA, or SIERA member, please register here or click on the banner above:

<https://docs.google.com/forms/d/e/1FAIpQLSfwm7lwYP6WCJXy6r08SIhD5XDj0c5BKNM8ZOGQvg8ly0eTQ/viewform>



SNARS - "Nevada Day Parade" Oct 28th

SNARS is beginning the planning of our participation in the "Nevada Day Parade" Oct 28th.

This can be a lot of fun for the club and a way to create outreach to the community.

Please contact Don KK7NEV dandbtucker@gmail.com to discuss ways to plan for this event.

73 my friends and.....See you on the air, K6ST Barry k6st@arrl.net

SNARS D-STAR REPEATER ON THE AIR



W7XM Tony just got the DSTAR repeaters back online with the new callsign W7TA. The repeaters had previously been under the callsign N7NDS with the trustee KENT JOHNSON, who became a silent key about a year ago.

D-Star (W7TA) Repeaters

Reno-Sparks-Carson (Mt Davidson) 444.625 + (Module B)

Reno-Sparks-Carson (Mt Davidson) 145.175 - (Module C)

Also Tony will be setting up the DSTAR 14B reflector on for Wednesday night's 6pm pt to be auto-connected to the Nevada DSTAR group.

Any questions on DSTAR, please contact Tony W7XM on telegram or email w7xm@snars.org



PO BOX 7727 Reno NV 89510

Yearly Dues: \$40.00 Individual • \$50.00 Family

2023 Officers

President..... Barry Bettman, K6ST
Vice-President..... Brian Verhalen, KJ6EAC
Treasurer..... Doug Edmondo, W7DBE
Secretary..... Anthony Marcin, W7XM
Director John Byerly, N7ROJ
Director Jim Shepherd, W6US
Director Krystal Nelson, AJ6GC

2023 Staff

Cracklin Static	Howie Holden, WB2AWQ
W7TA Trustee	Peter DeBay, KE7VSR
KR7ENO Trustee	Howie Holden, WB2AWQ
Control Operator	Pat Sheehan, W7DED
Youth Involvement	Barry Bettman K6ST
NVQSO Coordinator	Jim Shepherd, W6US
Historian	Robin Maguire-Jones KF7VVE
Tech Team Lead	Pat Sheehan, W7DED
Membership	Kim Farnham, KG7TMA
PIO	Vacant
VE Coordinator	Krystal Nelson, AJ6GC
Meeting Greeter	Bill Jones, AE7OX
Noon Net Manager	Wes Vick, KG7QXE
DMR Net Manager	Anthony Marcin, W7XM
Reno Ham Swap	Wes Vick, KG7QXE
Webmaster	Erik Andreasen, K6CZH
Club Sales Manager	Vacant
Recording Secretary	Doug Edmondo, W7DBE

Cracklin Static Publication

Editor: Howie Holden WB2AWQ - holden7471@msn.com
Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Cracklin' Static is published the week before meetings. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size, line spacing or other tools as may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday (or whichever Saturday is the meeting) of each month.

SNARS Wide Area Linked System

147.030 + PL 123.0	Sparks, Fernley, Fallon	Online
147.210 + PL 100.0	Reno, Sparks	Online
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	Online
146.925 -PL 123.0	Lovelock, Fallon	Online
146.670 -PL 123.0	Winnemucca	Offline
444.875 + PL 100.0	Yerington	Offline
444.125 + PL 123.0	Reno Sparks	Offline

DMR Systems

444.925 + CC 1	Reno, Sparks	Online
444.825 + CC 1	Dayton, Fallon, Carson	Online
443.925 + CC 1	Lake Tahoe, Truckee, Carson	Online
443.950 + CC 1	Incline Village	Online
442.875 + CC 1	Sparks, Fernley, Fallon	Online
442.850 + CC 1	Downtown Reno	Online
441.950 + CC 1	Fallon, Fernley	Online

Fusion Systems

146.610—DGID 28	Reno, Carson, Dayton	Online
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IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	Offline
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Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	Online
145.050 - ROSE	Lake Tahoe, Truckee, Carson	Online
144.390 - TOULON	Lovelock, Fallon	Offline

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	Online
443.075 + PL 123.0	Reno, Carson, Dayton	Online
927.0875 + PL 114.8	Reno, Carson, Dayton	Online

■ Online
 ■ Offline
 ■ Not Linked

CHECK OUT THE AUGUST MINUTES, PAGE 18, SECTION 4D FOR ALL THE WORK THE TECH COMMITTEE HAS DONE ON OUR REPEATERS

Visit <https://snars.org/repeaters/analog> for additional updates/status on repeaters.



Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
147.150 + PL123.0 – Lake Tahoe / Truckee
147.210 + PL 100.0 - Reno
444.875 + PL 100.0 - Yerington
146.925 - 123.0 – Lovelock / Fallon
146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

SNARS Noon Net	Mon—Fri @ 12:00pm
ERC Net for NV and Northern CA	Monday @ 9:15pm
N. Western NV ARES Net	Thursday @ 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Weak Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

Join us on SNARS Telegram Channel



Telegram

a new era of messaging

Visit <https://snars.org/telegram>

Our official channel for members to communicate with each other via chat, ask questions and get the latest information about the club, repeater status and amateur



SNARS Weekly DMR Net

Tuesdays 8:00PM

SNARS Talk Group 31328

SNARS CALENDAR

QCWA Meeting Sat, September 9, 11am – 1pm
Famous Dave's Bar-B-Que, 4925 Kietzke Ln, Reno

SNARS Board Meeting Wednesday, September 13, 6:00PM. Location and mode Chin Chin, Sparks, and Zoom

HAM RADIO MENTORING NIGHT on Zoom
7:00 PM Monday, September 18, see
<https://snars.org/hamradionight/>

Reno QRP Group Meeting Tuesday, September 19, 11am – 12pm, Jack's Coffee Shop #2, 605 N Wells Ave, Reno, NV. Contact Ed, WD7Y
WD7Y@sbcglobal.net for more info. If cancellation is needed, will be announced on the SNARS noon net.

Next months SNARS Breakfast Meeting, October 7, 8 AM. Location and media mode tentative, depending on Board decision.

WELCOME NEW MEMBERS

As Of August 27, 2023

Timothy	Montgomery	KG6MZG
Tom	Hicks	K9OPS
Mckenzie	Garrett	KJ7IRT
Hunter	Garrett	KJ7IRS
Gary	Garrett	KJ7HNV
Eric	Nystrom	N7VAZ

Member Benefit: SNARS ONLINE HAM SWAP

<https://snars.org/hamswap>

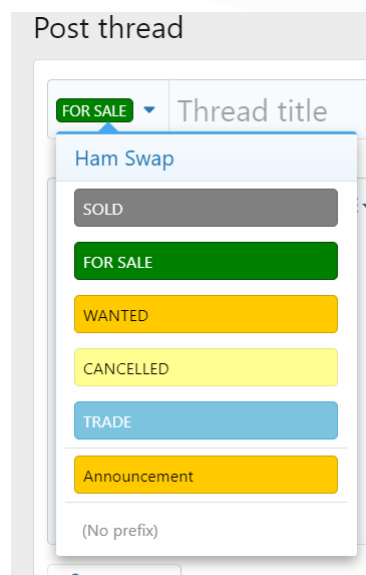
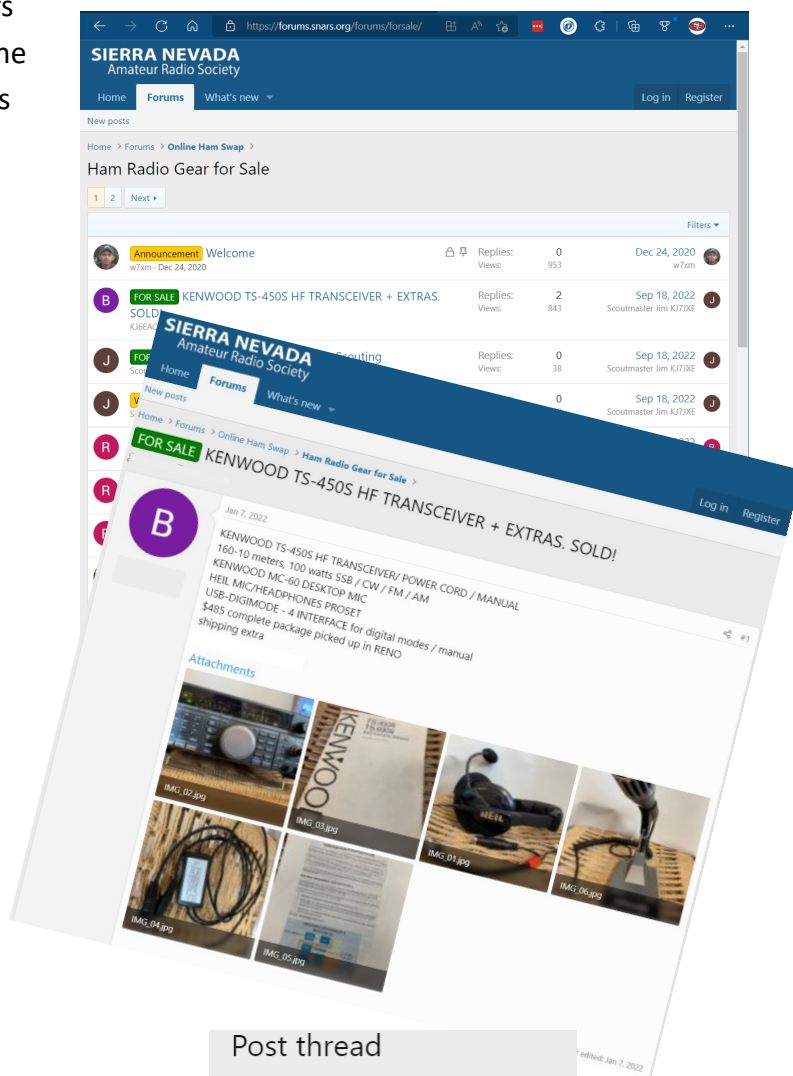
A SNARS members only benefit: We offer members a way to swap gear online and locally throughout the year. The online Ham Swap page provides members an option to list your gear, photos and descriptions for anyone to view.

You can find the swap page by either visiting <https://snars.org/hamswap> or locate the link at the top menu of the SNARS website labeled “Ham Swap”.

General Steps to posting a listing:

- 1.) Using your SNARS account (your_call@snars.org) click the Log in button at the top right. If you don't have a SNARS Account please request one to be setup by sending an email to membershipteam@snars.org.
- 2.) Click the “Post thread” button at top right.
- 3.) Select the post type “For Sale, Wanted, etc.” by clicking the down arrow button left of the title box.
- 4.) Type in a title for your items.
- 5.) Type in the message of any description of the items, condition of items and the best way to contact you. You may also post images of the items (recommended).
- 6.) Once you have completed the post click on “Post thread”.
- 7.) Your posting will now appear for all to view.

Note: you may visit the post anytime to update items and or change the status from for sale to sold by clicking the edit thread button under the three dots button and click edit thread, then click on the down arrow to choose the thread type to Sold or any other status.



If you have any questions about this member benefit please contact us at membershipteam@snars.org

SNARS In-Person and Virtual Monthly Meeting

SNARS Monthly Meeting

(hybrid in-person & virtual Zoom)

**Saturday, September 2, 2023 at Jack's Café #2,
605 N. Wells Ave, Reno NV. Breakfast**

**In-Person 7 AM, SNARS Meeting at 8 AM both Zoom and
in-person**

PRESENTATION:

**WHEN THE ISS SSTV IS BACK
ONLINE, WILL YOU BE READY?
With Randy K7AGE**



**MEETING
NOTICE!**

To join in person or via Zoom, register here, or on the banner below:

<https://snars.org/monthly-meeting/>

SNARS Hybrid Breakfast Meeting
Jack's Coffee Shop #2
Saturday, Sep 2nd
REGISTER NOW!



Questions? Contact Barry K6ST@arrl.net

More Info/Register In-Person or Zoom: <https://snars.org/monthly-meeting/>

THE NAME OF THE GAME

Jim Shepherd W6US

SPECIAL EVENTS

One of the most satisfying uses of Ham Radio is providing public service communications for special events or incidents. Wide area races, fires, parades, floods, Pony Express Re-Ride, earthquakes, Field Day, public events, etc provide the opportunity to help others.

Planning is key to all of these events. Some of these are scheduled and you have the opportunity to develop specific plans for that event. The 'disasters' also require pre-planning and training—Your local ARES group is doing this and is even using some of the scheduled events as practice sessions.

So what goes into a good plan? Let's look at a fictitious event that will be taking place over a large area. The Leadfoot Race involves a motorcycle or ATV segment, a motorboat segment, and an automotive road rally race segment. This covers an area from Lahontan Reservoir to Gerlach and ends up in Imlay.

The race organizer has secured the necessary permits, and a couple of months beforehand, has contacted the local radio clubs for communication support. Rick, KJ7XYZ has been chosen to be the Communications Unit Leader (COML) for the event. (You are using the Incident Command System, aren't you?) He meets with the race director and gets the proposed schedule, maps, control points, and any other information that is needed to safely and efficiently deploy hams on the race course.

The COML will look at the maps and decide what repeaters or HF frequencies are needed for the operation. He will then contact the repeater owners and ask permission to use the repeaters. It may involve unlinking some repeaters from wide area systems to get the coverage needed. For this race, it is decided that Ophir, Virginia Peak, Toulon, and Winnemucca repeaters from the SNARS systems, and Razorback from the Friends of the Black Rock system will provide most of the course with coverage. HF links will be needed at Lahontan, Gerlach and Imlay.

He then looks at the checkpoints and with the race director, decides which points will need ham radio support. Start/finish points, checkpoints, any high passes, aid stations and areas where the commercial communications used by the race operations have poor to non-existent coverage. From this, he can see how many hams he will need to staff the operation. Now comes the hard part, getting enough hams to cover these locations with the proper equipment.

Handhelds are great, but..... The Leadfoot race involves lots of areas that may be a long distance from a repeater or may be in marginal coverage areas. Mobiles can provide the power necessary and most mobile antennas are considerably more effective than the best after-market handheld antennas. They also tend to stay vertical during operation. There may be a few spots where there is solid handheld coverage, and that is where to put the handheld-only hams.

For a race this long, it is necessary to have 2 or more operators at each location. Gerlach would need 4, one on a mobile with a yagi to hit Virginia Peak, a separate operator on a mobile to hit Razorback, the HF operator, and a relief operator to give breaks to the others. You may have to have additional hams to stay with other race personnel like the ambulances, cooperating agencies, sag wagons, etc.

These additional hams at a location can be linked using handhelds and simplex.

A week or two before the race, there needs to be a meeting of all the hams. At this meeting, the ICS-205 needs to be distributed to all and all radios need to be programmed and checked for proper programming. A lot of radios from Asia are FCC Part 90 (Commercial) certified, and their programming software and empty channels may be preset to narrowband FM. Other than 900 MHz and DMR, almost all ham channels are wideband. Having a narrowband channel programmed will mean that your signal audio will be very low to others, and the signals you hear may be distorted due to clipping from the high audio. This is the time to sort out these programming problems. The meeting should cover when and where the operators should report, radio procedures on the air and assignment of tactical callsigns.

Tactical callsigns are essential to the smooth operation of these events. The net control should give his FCC callsign every 10 minutes during periods of activity and *no more!* After the net control ID's all others who transmitted during that 10 minute period should give their callsigns. There are several reasons for this. If you are 'Checkpoint3' and need to call 'Checkpoint4', you don't need to know their call sign which could change depending upon which of the 2 operators there is currently manning the radio. It takes much less airtime to use tacs. I've actually heard stations giving their callsign phonetically when they were solid into the repeater like this exchange: 'Kilo Joliet Seven X-ray Yankee Zulu, Net Control, this is, Kilo Joliet Seven Quebec Romeo Zulu, Checkpoint8', 'Net Control, go Checkpoint8', 'Kilo Joliet Seven X-ray Yankee Zulu, Net Control, this is, Kilo Joliet Seven Quebec Romeo Zulu, Checkpoint8, ATV 137 has passed my location' "Roger, checkpoint8, Net Control clear" 'Kilo Joliet Seven X-ray Yankee Zulu, Net Control, this is, Kilo Joliet Seven Quebec Romeo Zulu, Checkpoint8, clear' By this time ATV 137 has made it to Checkpoint9.

The day of the race, everyone must check in with the COML or his designates, and get a current briefing along with any paperwork that may be needed. When you get to your assigned location and set up, you need to call your designated Net Control and let them know you are in place and ready to go. Introduce yourself to others at your location and explain your function. Usually you will remain in place until the sweep vehicles stop at your location and release everyone. You will then advise Net Control that you have been released and ask them if they have an additional assignment for you.

After the race, there should be a meeting of all the hams run by the COML to do an After Action Review (AAR). This is the time to figure out what went well, and how to improve what didn't. The COML needs to meet with the race control team and attend their AAR. Finally, after documenting everything for future races, he needs to write an article for the clubs' newsletters and thank them for the use of the repeaters.

Events can be lots of fun. Getting to see cars going over 200 mph down some of Nevada's highways, or red shirted Pony Express riders galloping across the desert, or bicycles screaming down a mountain road is a lot of fun, as is helping ensure their safety on the course. Special event stations in public locations also showcases Amateur Radio to the participants and spectators as well. Helping with these events is lots of fun!

SNARS VOLUNTEERING

We would like to acknowledge our excellent team of VEs, not all of whom are SNARS members, **headed up by Krystal Nelson, AJ6GC:** Bob Nelson, KA6NSN, Daniel Hults, K7DFH, Kirk Jeffery, KB7QOD, David Johnson, K7DAJ; Steve Johnson, K56A; Bill Jones, AE7OX; Raymond Maxwell, W7TAP; Charles Nehrbass, AJ7E; Bill Nichols, NN7K; Jeff Resler, KK7BWJ; Warren Seeley, W4FLL; E Shattow, AI6FS; James Shepherd, W6US; Lawrence Vosper, KB7VT; John Week, AE7K; Greg Krantz, NT7Q; Clinton Anderson, AE5CA; Richard Foreman, KK7SLD; John Byerly, N7ROJ; Richard Bencoter, KJ7TDB; Barry Bettman, K6ST; David Book, KD7YIM; and Jamie Dahl, N6JFD.

This type of teamwork from SNARS members is what makes the Sierra Nevada Amateur Radio Society such a great club.

Please feel free to reach out to me to see how you might be of service to the club. With great appreciation, K6ST Barry SNARS President k6st@arri.net

73, Barry K6ST

President, Sierra Nevada Amateur Radio Society www.snars.org

Nevada Section Youth Coordinator

ARRL (American Radio Relay League) www.arri.org

The national association for amateur radio



SHORT TAKES (By Jim Shepherd W6US)

CONTEST CALENDAR

The ARRL EME Contest will be 0000z, September 9th to 2359z, and it is for contacts using moonbounce. If you have a 10 watts or more on 2.3 GHz or higher bands and a dish or other high gain antenna, you can use SSB, CW or digital modes. There are 9 state QSO parties this month, CO, TN, AL, TX, IA, NH, NJ, WA, and ME. It is also time to start thinking about where you will be going for the Nevada QSO Party in October—there are a lot of county line locations that will be fun to activate for this contest. This and other contest information can be found at:

<https://www.contestcalendar.com/contestcal.html>

DX

The best DX will feature Albania, Greenland, East Kiribati, Jamaica, and the Isle of Man and a few more locations around the globe. More information can be found at:

<https://www.ng3k.com/Misc/adxo.html>

THIRD MONDAY ZOOM HAM RADIO NIGHT

We will have our popular Ham Radio Nights via ZOOM to get your questions answered. It will be held at 7pm on Monday, September 18th. We need to see more people join in the discussions. More information, including the link will be published before that date.

NAME THAT RIG?

(Answer on page 15)



YOUTH INVOLVEMENT



SNARS has the opportunity help reno scouts with Jamboree on the Air on Saturday, Oct 21st at St Alberts the Great Church. Everyone is welcome to come and help out.

Jamboree-on-the-Air provides the opportunity for millions of Scouts around the world to meet on the air via Amateur Radio.

What is JOTA?

When Scouts want to meet young people from another country, they usually think of attending a World Jamboree. But few people realize that each year more than a million Scouts and Guides "get together" over the airwaves for the annual Jamboree-on-the-Air (JOTA). During the 2014 event, worldwide Scouting participation included 1.1 million Boy Scouts and 200,000 Girl Guides/Girl Scouts, for a total participation of over 1.3 million--the largest Scouting event in the world.

Modern technology offers Scouts the exciting opportunity to make friends in other countries without leaving home. JOTA is an annual event in which Boy and Girl Scouts and Guides from all over the world speak to each other by means of Amateur (ham) Radio. Scouting experiences are exchanged and ideas are shared via radio waves. Since 1958 when the first Jamboree-on-the-Air was held, millions of Scouts have met each other through this event. Many contacts made during JOTA have resulted in pen pals and links between Scout troops that have lasted many years. With no restrictions on age or on the number of participants, and at little or no expense, JOTA allows Scouts to contact each other by ham radio. The radio stations are operated by licensed amateur radio operators. Many Scouts and leaders hold licenses and have their own stations, but the majority participate in JOTA through stations operated by local radio clubs and individual radio amateurs. Some operators use television or computer-linked communications.

More information, contact:

K6ST Barry k6st@arrrl.net

Nevada Section Youth Coordinator

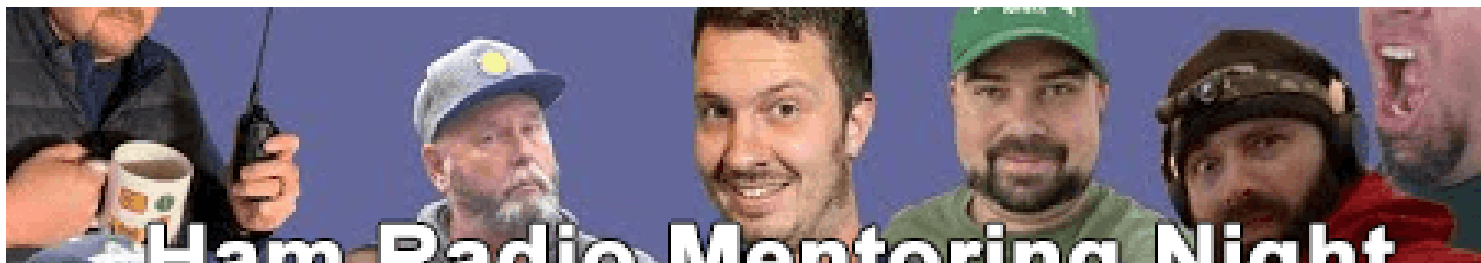
ARRL (American Radio Relay League) www.arrrl.org

The national association for amateur radio

To learn more about JOTA, click [HERE](#)

SNARS HAM RADIO MENTORING NIGHT

3rd Monday of each month at 7PM PT on Zoom
Join together and Elmer each other for Ham Radio Night on



Ham Radio Mentoring Night, SNARS (virtual on Zoom conferencing) September 18, 7:00PM PT

Topic Breakout Rooms:

NEVADA DAY PARADE

VHF/UHF ANALOG

DMR FUSION

W1AW/7

Register here:

<https://us06web.zoom.us/meeting/register/tZEuDemhrTorHtwqU0vIS1ZfrshW0-PFoZM5>

OPERATORS NEEDED FOR THE VOTA W1AW/7 OPERATIONS!

NEW SIGNUP PROCEDURE!!!

The dates are September 27th to October 4th for our second week where those of us in Nevada will have the chance to be W1AW/7 and make LOTS of QSOs. The week will start at 0000z, Wednesday, September 27th. We are looking for HF operators who are experienced contest/DX participants. They must be able to handle pileups, correctly log the contacts using a computer with logging software, and have a station that will provide a quality signal and the receive sensitivity to work the maximum number of contacts. This is not a QRP or Repeater event. CW operators will need to be able to adjust their speed to that of the calling station. Ten meters and VHF+ operations must be simplex (NO repeaters or internet connections) and preferably on SSB, CW and digital keyboard to keyboard operations. This will take a bunch of hams to cover the airwaves during our week of operations. The chance to get on the air with a famous 1x2 call and handle pileups only comes around rarely, so it is a good time to volunteer for this effort. All operators must use computer logging, preferably N1MM+ with the ARRL-VOTA udc template. Those stations using the digital WSJT-X modes must use that program inside of the N1MM+ program in order to properly generate a log with all the needed information.

We are going to schedule operations as a Swing shift(5pm-1am local), a Grave shift (1am-9am local), and a Day shift (9am-5pm local). Each 8 hour shift should have at least 4 hours of on-the-air activity on the assigned bands and modes. For HF operators, Day Shift will concentrate on 20m, 15m and 10m, Swing Shift will concentrate on 160m, 80m and 40m, and Graveyard Shift will operate on any and all open bands. Operators may sign up for multiple shifts and modes as available. You may sign up for up to 2 modes and/or frequencies in the same time slot, but you will need to be on the air for at least 7.5 hours of that shift and spend roughly equal time on the two selections. Multi operator stations must contact me for further instructions. **Only scheduled operators may use the W1AW/7 callsign during their assigned shifts.**

Technician and Novice operators can operate on 10 meters and up on all of the VHF, UHF, and Microwave bands with simplex FM, SSB, CW, and keyboard digital only. No repeaters, hotspots, or internet connections may be used. On 10m they may use the appropriate modulation from 28.000 to 28.500. Satellite contacts are permissible as are EME contacts.

How to sign up for this week—

The timeslots are in UTC and show the BEGINNING time of the 8 hour period..... We will be in local daylight savings time during the event. The **Swing Shift showing for a UTC calendar day is actually occurring on the previous local time calendar day....**

0000z is the Swing time slot, 5pm local to 1am the **previous** day!

0800z is the Graveyard time slot 1am to 9am local.

1600z is the Day shift time slot 9am to 5pm local.

The new website for signups is <https://ok.arrl.org/w1awnv/>. You can check the day you are interested in by using the "Display Slots Selected by Day" and selecting the UTC date you are interested in. It will show all of the used slots, so you can go for any that are not filled.

You can now go to the "Select Your Band/Day/Mode" section and sign up. **Remember, Swing shift is the previous local time day**—if you wanted to sign up for Friday evening local time, you would select 2023-10-2(Saturday UTC) and the 0000z time slot.

More information about the VOTA program is available at <https://ok.arrl.org/votanv/>

If you need to change your existing signup, contact me so I can do it... nvjims@gmail.com and put "W1AW/7 Change" in the title. I will contact you for further information about the change. I can **only** delete the signups on a slot, I cannot change anything, you will have to signup for your newly changed spot.

On October 4th, I will be sending out a special email to all scheduled operators detailing the procedure to enter your log for all of your shifts.

I will be available on the SNARS third Monday Ham Radio Zoom nights on September 18th to handle questions. More information will be on the www.snars.org website.

Jim Shepherd, W6US
Nevada W1AW/7 Coordinator
(775) 420-0994



NVQSO PARTY COMING SOON....

The Nevada QSO Party will start at 8pm Friday night October 13th and will run to 2pm on Sunday afternoon local time. So far, we have very few folks signed up. The more Nevada stations that get on the air, the better this event will be for everyone! **We especially need stations using CW and Digital modes.** It is great if you can go out into the rural counties, but we also need lots of hams to operate from their home QTH. Even if you only get on for a couple of hours, that will help everyone you contact. Please sign up on the Activations page on the <http://nvqso.com> website, don't worry if you see others signed up for that county, the more in each county, the better it is for all!

One of the unique parts of repeaters, as this allows everyone SNARS linked system covers of Northwestern Nevada. eastern Nevada and parts of area repeaters cover parts ties and parts of California, worldwide coverage, so some big scores using a a mountain will let you hit



this event is the use of everyone to participate. The parts of California and most Elko's system covers North-Utah and Idaho. Las Vegas of 4 different Nevada counties Arizona and Utah. DMR has there is the opportunity for handheld! Getting on top of lots of repeaters!

The state of Nevada and its for various awards by those this is a great chance for change is simple, a 59 for county code—for Washoe "59 Washoe County, North-alpha Sierra" ... Out of state hams like Truckee would give a 59 and their ARRL/RAC section like this "59 Sacramento Valley, Sierra Victor". While most states have a single section, big states like California have up to 9 sections. You will have to log the contacts, and using a computer with a program like the free N1MM+ Logger makes it easy and will catch some errors like using CA instead of the proper section in California. The <http://nvqso.com/> website has the full rules, FAQs, and other information including a signup sheet for county activations. If you plan to operate, please sign up as the more hams that are listed will encourage more hams to participate. Instate hams can contact everyone, and out-of-state hams can only contact Nevada hams for credit.

Get on the air this weekend and have fun working the world!!!

W7SSB's FUN PAGE

HOMAGE TO FIRST SHORTWAVE TRANS-ATLANTIC RADIO BROADCAST

We should never forget these early pioneers of radio!

On December 11, 1921, radio history was made when the signal from amateur station 1BCG in Greenwich, Connecticut, was heard in Ardrossan, Scotland, marking the first successful transatlantic radio transmission using shortwave frequencies. Between 1921 and 1924, radio amateurs experimented with transmitting across the Atlantic. Sponsored by ARRL, these Transatlantic Tests aimed to prove that shorter wavelength frequencies could propagate long distances using transmitters running less than 1 kW. The initial run of the Transatlantic Tests was a failure. For the second Transatlantic Tests, ARRL dispatched receiver designer Paul Godley, 2ZE, considered one of the best of operators the day, to Europe to listen for participating stations. His nine-tube receiver employed the latest superheterodyne technology, which he modified for the frequencies used.

In one of those historical coincidences, during his voyage to England, Godley met Harold Beverage, who convinced him to use a specially designed, highly sensitive, and directional 1,300-foot antenna, referred to as the Beverage Antenna.

During a pre-event dinner arranged by his British hosts, Godley also met wireless pioneer Guglielmo Marconi, who asked him to remind US amateurs that "I, too, am but an amateur."

Over the course of the test period, more than two dozen stations were heard between 230 and 235 meters, roughly 1.3 MHz in what is now the AM broadcast band. Some utilized spark-gap transmitters, others employed vacuum-tube CW transmitters. The one heard most consistently was a CW transmitter operated by six members of the Radio Club Of America — Ernest Amy, 2VK; Edwin Armstrong; George Burghard, 2SS; Minton Cronkhite, 1BCG; John Grinan, NJ2PZ, and Walker Inman, 2BGM. From 1BCG, they transmitted their message at 2152 UTC (then GMT) on December 11, 1921:

On that day in 1921, a radio signal transmitted from a Radio Club of America (RCA) test station—located in a small shack on the property of Minton Cronkhite, 1BCG in Greenwich—was received in Ardrossan as part of a series of ARRL transatlantic tests.

Special Event Station



The special event included a two-way contact between N1BCG—the commemorative call sign being used in Greenwich—and GB2ZE, operated by Jason O'Neill, GM7VSB, in Ardrossan. N1BCG sent the original 1921 message in CW:

N1BCG: == PSE QRX FER MSG MSG
== HEARTY CONGRATULATIONS FM BURGHARD == INMAN == GRINAN == ARMSTRONG == AMY == CRONKITE == THE ORIGINAL OPS AT 1BCG

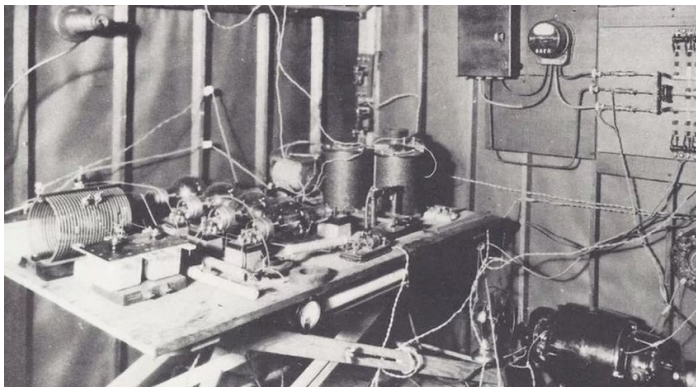
Here's a summary:

The 1BCG replica transmitter will be operating as W2AN/1BCG on 1.820 MHz, plus or minus, using CW, from The Vintage Radio and Communications Museum of Connecticut. Transmissions from W2AN/1BCG will be one-way, just like the original transatlantic tests in 1921. You can get a SWL certificate for this Special Event by sending a copy of the transmitted message to 1BCG@antiquewireless.org

Schedule: Transmissions start on December 11, 2021, on 1.820 MHz, +/-, at 1800 EST or 2300 UTC, then every 15 minutes thereafter for a total of five hours thusly; 1815, 1830, 1845, 1900, 1915, 1930, 1945, 2000, 2015, 2030, 2045, 2100, 2115, 2130, 2145, 2200, 2215, 2230 and the last transmission at 2245 EST.

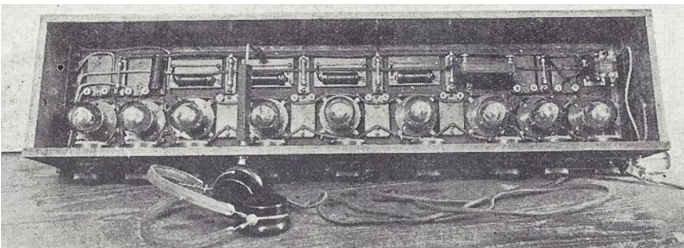
Mark ~ AE2EA

Antique Wireless Association



The transmitter was set up in Greenwich Conn.

<http://www.arrrl.org/files/file/History/History%20of%20QST%20Volume%201%20-%20Technology/QS02-22-TransAtlantic.pdf>



The receiver was set up in Ardrossan Scotland.

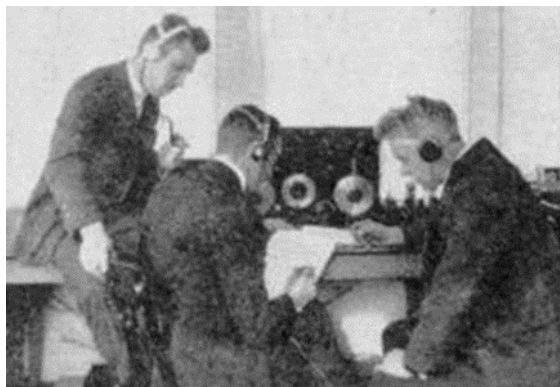
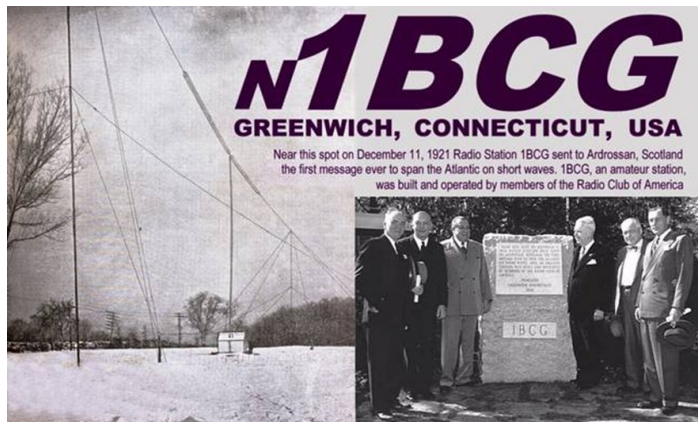
[http://arrrl.org/files/file/Transatlantic/1921 TransAtlantic Tests.pdf](http://arrrl.org/files/file/Transatlantic/1921%20TransAtlantic%20Tests.pdf)

95th anniversary

On 11 December 2016, radio enthusiasts recreated the first transatlantic shortwave broadcast, 95 years after the original communication between Massachusetts and Ardrossan.

Members of the Radio Society of Great Britain (RSGB) set up a station in Ardrossan and exchanged broadcasts with the American Radio Relay League (ARRL) and the Radio Club of America in Connecticut, using both modern and historical equipment to recreate the broadcasts.

(Continued next page....)



Fred Schnell 1MO, Hiram Percy Maxim W1A (ex 1WH).
November 15, 1921

QSL card from the 2016 event

* * * * *

The History of Amateur Radio

<http://www.astrosurf.com/luxorion/qsl-ham-history6.htm>

Great article!

Financing Early Radio

<https://earlyradiohistory.us/sec020.htm>

Very interesting!

I want to thank all the authors of these articles. When you know more about the history of radio you can appreciate our hobby even more!

Stay tuned!

Don Sherman

W7SSB

(775) 742-5165 donssherman@gmail.com



TROPICAL STORM HILARY

SB SPCL @ ARL \$ARLX009

ARLX009 Tropical Storm Hilary: Amateur Radio Activates

ZCZC AX09

QST de W1AW

Special Bulletin 9 ARLX009

From ARRL Headquarters

Newington CT August 21, 2023

To all radio amateurs

SB SPCL ARL ARLX009

ARLX009 Tropical Storm Hilary: Amateur Radio Activates

Amateur Radio operators activated on Sunday, August 20, 2023 to provide communications and information for Tropical Storm Hilary. As of mid-morning Sunday, the system was moving up the Baja Peninsula of Mexico, expected to cross into Southern California. Heavy rains were falling in San Diego, and local media reported that 250 airline flights had been canceled.

Amateur radio operations began Sunday morning. The WX4NHC amateur radio station - <https://w4ehw.fiu.edu/> - at the National Hurricane Center was on air. "WX4NHC will be on the air on the Hurricane Watch Net frequencies of 14.325 MHz and 7.268 MHz depending on propagation. We will also be on VoIP Hurricane Net (IRLP node 9219 / EchoLink WX-TALK Conference node 7203, <https://voipwx.net/>

"We will also be monitoring WinLink reports via wx4nhc@winlink.org (subject line must contain //WL2K)," wrote WX4NHC Amateur Radio Assistant Coordinator Julio Ripoll, WD4R.

The Hurricane Watch Net (HWN) was also activated Sunday morning. "We will remain active until our services are no longer required. This system does have a good chance of crossing into California as a Tropical Storm. If so, it will be the first Tropical Storm to hit California since 1939," wrote net manager Bobby Graves, KB5HAV.

HWN seeks reports to relay to the National Hurricane Center in Miami. They have operators who are fluent in English and Spanish to take reports. "Such weather information we look for is maximum sustained winds, winds gusts, wind direction, barometric pressure, rainfall amount - how much over x-amount of time, storm surge, and damage. Should you have any outgoing Health and Welfare Traffic before, during, or after this event, we are happy to assist as we work closely with the Salvation Army Team Emergency Radio Network (SATERN)," wrote Graves.

HWN also exists to provide backup communications to official agencies such as emergency operations centers, Red Cross officials, and storm shelters in the affected area and relays damage reports.

The primary frequencies the net uses center on 14.325 MHz and 7.268 MHz, depending on propagation. HWN thanks radio amateurs for yielding those frequencies during operation. "It certainly makes our job easier, and I know those in the affected area appreciate it as well," said Graves.

ARRL will continue to monitor the situation and update its various social media outlets. HQ staff members are in contact with WX4NHC, The Hurricane Watch Net, and VoIP Hurricane Net officials.

NNNN
/EX

ARES NEWS

EVENT CALENDAR

EVENTS 2023	DATE	DATE END	SPONSOR/ORGANIZER	COORDINATOR	CONTACT
Tour De Tahoe	9/10/23		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWV	wa6ewv@juno.com
Reno Air-Races	9/10/23	9/17/23	WC-ARES	Bob Miller WA6MTY	wa6mtty@gbis.com
Reno Jeep Festivle	10/14/23		NV 4WD Assoc, Charles Doyle	Bob Miller WA6MTY	775 433-3864
Nevada Day Parade	10/28/23		NV AREA NW DEC	Tom Tobacco KE7NCJ	smokey5880@gmail.com
One Day Ham Cram Test Review	10/9/23		Washoe ARES	Bob Miller WA6MTY	wa6mtty@gbis.com
Scheels Turkey Trot	11/23/23		WC-ARES	Bob Miller WA6MTY	wa6mtty@gbis.com

Washoe ARES Event Support

RENO AIR RACES LAST HURRAH

As you may or may not know, this is the last year for the Reno Air Races, so I want to know if you are available to help with security. Security has asked us to provide as many volunteers for September 13-17 as possible.

The hours are 0700-1700 each day. Let me know which days and whether you want to work mornings or afternoons. I would like you to work at least 4 hours per day unless you would like to help the whole day. Lunch will be provided at least on Saturday and Sunday, and snacks, bottled water throughout the day.

Some of you will remain available as backups for breaks and lunch.

As usual you will have full access to the entire Air Race areas the public pays for.

Plus, you have parking on air race property, and we provide golf cart transport the whole day.

Even if you are not sure you can make it, let me know so I can add you to the list. ALSO invite your friends, they don't have to be Hams.

Bob Miller WA6MTY
wa6mtty@washoeares.org
775 843-5852

FUN STUFF FOR SEPTEMBER

They're baaaack...the state QSO parties, no less than 9 of 'em, and the big day is Sep 16 with 5 state QSO parties. (The Washington State Salmon Run is part of the state QSO parties.) There's also 4 ARRL/NCJ sponsored contests in all BOLD type.

2 Sep 1300 to 3 Sep 0400 All, except WARC Colorado QSO Party CW Ph Dig <https://ppraa.org/coqp>

3 Sep 1800 to 4 Sep 0300 All, except WARC Tennessee QSO Party CW Ph Dig www.tnqp.org/rules

9 Sep 0000 to 10 Sep 2359 2.3 GHz and up ARRL EME Contest CW Ph Dig www.arrl.org/eme-contest

9 Sep 1500 to 10 Sep 0300 3.5-28 Alabama QSO Party CW Ph www.alabamacontestgroup.org/aqp

9 Sep 1800 to 11 Sep 0300 50 and up ARRL September VHF Contest CW Ph Dig www.arrl.org/september-vhf

10 Sep 0000 to 10 Sep 0400 3.5-14 North American Sprint, CW www.ncjweb.com/Sprint-Rules.pdf

16 Sep 0600 to 17 Sep 2359 10 GHz to light ARRL 10 GHz and Up Contest CW Ph Dig www.arrl.org/10-ghz-up

16 Sep 1400 to 17 Sep 0200 All, except WARC & 60 Iowa QSO Party CW Ph Dig www.w0yl.com/IAQP

16 Sep 1400 to 17 Sep 2000 All, except WARC Texas QSO Party CW Ph Dig www.txqp.net

16 Sep 1600 to 16 Sep 2300 All, except WARC Wisconsin Parks on the Air CW Ph Dig www.wipota.com

16 Sep 1600 to 17 Sep 0359 3.5-28 New Jersey QSO Party CW Ph Dig www.k2td-bcrc.org

16 Sep 1600 to 17 Sep 2200 3.5-28 New Hampshire QSO Party CW Ph Dig www.w1wqm.org

16 Sep 1600 to 17 Sep 2359 1.8-28,50 Washington State Salmon Run CW Ph www.salmonrun.wwdxc.org

23 Sep 0000 to 24 Sep 2359 3.5-28 CQ Worldwide DX Contest, RTTY Dig www.cqwwrtty.com

23 Sep 1200 to 24 Sep 1200 1.8-28 Maine QSO Party CW Ph www.ws1sm.com/MEQP.html

30 Sep 2200 to 1 Oct 2200 1.8-14 AWA Amplitude Modulation QSO Party Ph www.antiquewireless.org

If you want to see the full list, go [HERE](#)

If you're not into contests, there's always DX to chase! September has a bunch! They're all over the map: far north EU, Oceania, Africa, North Atlantic, South Atlantic, Mediterranean, Mid Atlantic, Caribbean, British Isles...you name it. Have a ball.

Aug 29 to Sep 04	Palau	T8
Aug 30 to Sep 06	Svalbard	JW6VDA
Aug 31 to Sep 14	Mariana Is	KH0
Sep 01 to Oct 17	East Kiribati	T32AZ
Sep 02 to Sep 17	Cape Verde Is	D44TWO
Sep 04 to Sep 11 and Sep 22 to Oct 1	Albania	ZA

Sep 05 to Sep 21	Dodecanese	SV5
Sep 12 to Sep 18	Palau	T8
Sep 15 to Sep 21	Greenland	OX0J
Sep 15 to Sep 28	Chatham Is	ZL7IO
Sep 16 to Sep 30	Guam	KH2
Sep 20 to Oct 04	Lord Howe I	VK9LAA
Sep 24 to Oct 22	Tristan da Cunha	ZD9W
Sep 28 to Oct 08	Uganda	5X3K

You might check with <https://www.ng3k.com/Misc/adxo.html> to see if these DXpeditions are still on, and to see other ones that would be of interest.

RENO QRP SLOW SPEED CW NET

NEXT NET SESSIONS WILL BE at 10 AM, September 7 and September 21, Pacific Daylight Time. Check with WD7Y@sbcglobal.net to confirm times. Target frequency 7.045 MHz, if busy search somewhere near that frequency.

THE FOLLOWING SHOULD ALWAYS BE IN YOUR REPORT:

NAME ,RST, LOCATION, RIG, POWER, ANTENNA.

REMEMBER TO INCLUDE RST IN YOUR REPORT

Feel free to add something else in your exchange.

Take some time to report RST for other OP's or anything else that comes to mind.

Sharing information about you and your equipment will accomplish two things.

First It gives you and everybody else practice sending and copying. Second It is nice to spend time on the air with your friends. Consider this a QRP meeting on the air.

Relax and have some airtime fun with your friends.

73/72 Ed/WD7Y

NAME THAT RIG (from page 8)

The **Hammarlund Manufacturing Company**, at the time of its demise, was by far the oldest radio and components manufacturer in the US. Started in 1910 as a parts manufacturer in New York City, they offered their first radio in the 1920s as Hammarlund-Roberts. Well known for their receivers for decades, (and they were top of the line) few knew Hammarlund also made a few transmitters or an amplifier. The **HXL-1** was their only foray into linears, and it came out in the early 60s. Utilizing a pair of the then-new (apparently) 572B/T-160L triodes, a replacement for the venerable 811A, Hammarlund got 1500W PEP input, 1000W input on CW from the **HXL-1**, for almost 600W output on CW. The **HXL-1** covered 80 thru 10 meters (no WARC at this time), and was considered one of the better amps of its day. They are rare, having sold for some \$1200 in the day, and one seldom pops up on the used market. Hammarlund, then based in North Carolina, was dissolved in 1973, after 63 years in the radio business.

SNARS SILENT KEYS

IN MEMORY OF SNARS MEMBERS WHO RECENTLY PASSED AWAY.

If you know of a SNARS member or friend of SNARS who has passed away recently, submit it to me WB2AWQ@arrl.net or any Board member for verification and inclusion on this page.

Ralph Covington W7SK

BUILDING YOUR OWN LOADING COIL BY DOUG EDMONDO W7DBE

Instructions for how to build a vertical loading coil by W7DBE.



I used the online calculator from K7MEM at: https://k7mem.com/Ant_Loaded_Vertical.html to get the basic coil design.

My first attempt used PVC pipe and it failed structurally, so for this version I used a strong machinable plastic purchased from Amazon as a:

- 2 pack of Round Acetal Copolymer Rods - Standard Tolerance 2 - Inch Diameter and 12-Inch Length Opaque Black Acetal Copolymer Rods Meets ASTM D6778.

Other Parts required:

- 2 each E-Z LOK Knife Threaded Insert for Hard-Wood, Brass Thread Inserts 3/8-24 Internal Threads, 0.625" Length. I got a Pack of 10 from Amazon.

- 2 each, 1" inch long threaded studs 3/8-24. I bought four from Amazon that had hex key provisions in one end (Makes it easy to hold and set them)
- 1 each 3/8-24 coupler nut (ACE Hardware)
- 1 each 3/8-24 stainless nut – ACE
- 2 each 3/8 stainless washers
- 2 each 2" diameter fender washers with 1/2 inch openings (Home Depot)
- Box of small self-drilling sheet metal screws (Harbor Freight)
- Small bottle of blue Loctite #242 (**red tube, blue Loctite....Ed.**)
- Round crimp on connectors
- 100 feet of 16-gauge insulated wire
- Pack of alligator Clips (Home Depot)
- Large alligator clip for ground
- One each Mcbazel Surecom S215 3/8'-24 to SO239 Heavy Duty Stud Antenna Mount Adaptor also from Amazon.
- A couple 3" long command strips.
- Small angle bracket from Home Depot, U-bolts, and hardware to clamp to a pole or mast. Hardware is to connect the ground – I used a nut, bolt, and washers to hold to the bracket and then two washers and a wing nut to clamp the end of the ground wire to the bracket so it can be removed.
- Your choice of collapsible antenna whip – I used a HF Manpack Collapsible 7 Element Whip Antenna 285 CM Length bought from Amazon.

Coil Details (specific to this whip length):

6 and 10 meters – no Turns – note, 10M does not need a turner (Especially at 28.4Mhz) but I still used one to optimize for FT-8.

15M 3.1 turns

20M 7 turns

30M 11.5 Turns

40M 19 Turns – I added six turns more which should allow me to tune 60M.

80M 51 Turns

Assembly:

Cut a five-inch piece of the plastic rod – I used a hack saw but a chop saw should work also – just go slow. Note, I plan on making another 5-inch coil with 26 turns to add in for 80M.

Drill a 1/2 inch hole in each end centered (I used the flat washers as a red neck centering tool) to at least 5/8 inch deep (3/4 to 1 inch is better)

Install the inserts slotted side down using one stud and a nut tightened to "Jamb" against the insert. Use a wrench to turn – I held the plastic rod in a vice and you might have to push on the insert (I used an Allen wrench to help and pushed on that. Screw the inserts in till they are flush to the surface.

Temporarily assemble a flat washer, washer one inch stud and connector on one end and a flat washer, washer, nut and one inch stud on the other. I screwed the studs in about 3/8 into the insert on the bottom side and 1/2 on the top side (Where the connector mounts).

Mark four spots on each washer and disassemble.

Drill holes in the washers for four self-drilling screws, then using the washers mark each end of the plastic rod and predrill for the screws (Easier to start).

Assemble the flat washers to the plastic rod using 4 screws on each end. Note, the purpose of the flat washers is to provide strength in bending for handling and wind loads.

(Continued next page.....)

(Continued from previous page.....)

On what will be the input end (Bottom) make a wire jumper about 3 inches or so long with a large round connector on one end and a small one (Sized for a self-drilling screw on the other). Using a drop of Loctite in the insert, screw in the threaded stud about 3/8 or so. Place the wire connector over the stud, a washer and nut. Use an Allen wrench to hold the stud and tighten the nut snugly but not too tight....

On the output end (Top), make a wire jumper about 8-12 inches long and only put a large round connector on one end (Eventually, the other end gets an alligator clip). Using Loctite in the insert, screw in a threaded stud about 1/2 inch. Place the connector, washer and coupling nut (Whip screws into that) and tighten the coupling nut – not too tight again.

To wind the coil start by making a line from one end to the other, installed a self drilling screw once inch from the bottom (Drill a pilot hole). Place a connector on your coil wire and connect both the jumper and coil wire end to the rod with a self tapping screw.

Start winding the coil and at each tap location strip 1/2 inch of insulation off (Don't cut the wire!!) bend and twist the bare wire. If you like, use a small zip tie to add strength. Complete for all four taps. If you like wind more coils (Note, if you make another 80M coil add these turns to the other coil to equal 51 turns). Carefully hold the wire, strip the end and add a small connector. Then with the coil tight, mark the rod such that when you install a screw the wires are tight.

Unwind the coil and solder each connector and each tap.

To "Rewind" place one piece of command strip between the two screws and cut to length. Remove the top paper to expose the sticky stuff and start winding your coil. (Don't forget to start at the bottom with both the jumper and coil wire connected to the bottom screw.)

Attach the coil wire at the top.

Measure the top jumper to ensure it can reach the bottom screw of the coil and add the alligator clip – solder if you like.

For the attaching bracket, drill appropriate holes to mount to a mast and to mount the antenna connector (Do not forget the insulator) – mounting hole should be 1/2 inch if I remember correctly.

Drill a hole off to the side and make the mount for the ground wire. I used about 12 feet of 16 gage with a round connector at one end and a large (Battery Cable) clamp at the other end. For my ground rod I used a screw type metal ground leash stake from Home Depot – worked great.

Set up and tune to your station set up.

One option is to take the full 12-inch rod and wind the coil long enough to get 80M. However, I am concerned about the strength (Long term) of the lower antenna connector. Might need a different mount for bending loads but I have not played with that yet.



Doug Edmondo W7DBE

NEAT SLINKY ANTENNA VIDEO POSTED ON TELEGRAM BY ROBERT DEBEVEC, W6IWN

Visit <https://youtu.be/IFKAcREPHs?si=qmXB-mGc0FdNAYnq>



Board of Directors Meeting Minutes

August 9, 2023- Approx 6:00PM

Chin Chin, Sparks & Via Zoom

1. Call to order and roll call at 6:02 PM

Board of Directors:

Barry Bettman, K6ST P
Anthony Marcin, W7XM Z
Brian Verhalen, KJ6EAC P

John Byerly, N7ROJ P
Krystal Nelson, AJ6GC P

Doug Edmondo, W7DBE P
Jim Shepherd, W6US P

Guest(s) In attendance:

W7DED Pat Sheehan, KA6NSN Bob Nelson

2. Approval of Minutes - Discussion/Action

Approve July 2023 Meeting Minutes, Motion by Kyrstal, Second by John. Motion Passes

3. Approval of Agenda - Discussion/Action

Approve Agenda, Add Holiday party to new items, Motion by Kyrstal, Second by John. Motion Passes

4. Reports

A. President's Report

Barry discussed the events past and coming up. He discussed the multi club picnic in new business. No other comments.

B. Secretary Report

Discussed the Repeater Directory completed and sent to printers, Call Nominations election for Sept, Membership at 404 members, 9 new members joined in the past 60 days.

C. Treasurer

Discussed the changing to the new accounting software, enabled some automated options to allow for easier managing of financials for the club. Further discussed waiting for ARRL to cash the ARRL Membership ships sent recently and will follow up with HQ.

D. Technical Team

1. Pat discussed the installation of equipment. Link from Mt Rose to Lobedell is installed and working now. He discussed tuning equipment and general preventative maintenance while at Mt Rose. Discussed future antenna configuration at Mt Rose.
2. Winnemucca Mt, installed $\frac{7}{8}$ feed line to antenna, link working to Toulon.

3. Toulon has a new Repeater and Link to Virginia Peak, needing a link to Winnemucca Mt.
4. Virginia Peak completed all repeaters.
5. Peavine, New Link Radio to Rose installed.
6. John discussed a planned meeting to go up to Davidson and reconfigure DStar, and general work at the site with Tony.
7. Carson City DMR will be going to a new site in the near future as the DEM site is currently undergoing a renovation for the next couple of years. Still in discussions on the new site.

E. Control Operators / Trustee

No report

F. Events

1. Field Day - New Reservation System to reserve for Group Sites
2. Jim Reported that Nevada Parks is changing their reservation system and allows reservations 11 months in advance. The Field Day Committee will need to keep an eye out to get the spot reserved for next year at Washoe Lake State park.
3. Jim discussed W1AW has a couple of sign ups and discussed the NV QSO Party updates.
4. Barry discussed interest/activities in getting a float for the Nevada Parade this year.

G. Education & Youth Activities

Barry discussed two possible scout events.

H. SNARS Noon Net and SNARS Digital Net

1. Barry discussed there was a backup which no longer is available, having 5 net control operators plus Berry being a backup but still looking for other net control operators.
2. Digital net is going well and still attracts 15 check-ins each week approx.

5. Old Business

- A. Ham Swap + upcoming Sept 23 swap (Lincoln is on Sept 16).
- B. Barry discussed the upcoming Ham Swap and advertising the event.
- C. DMR Repeater for Lobdell Pk - Update, use 443.950 CC2 (Incline pair), or Move CC Repeater
- D. General Discussion on the future of this project. No Action taken. Will report back next month.
- E. Multi-club summer gathering update
- F. Barry Discussed Sept 30 is the date, SIERA and TARA are helping to support the event.
- G. SNARS Scott Brink Volunteer of the year award update
Will follow up with Chuck Farnham on the award.

6. New Business

- A. Discuss future NVCON Domains and if needed for Future Hamfest Event
- B. Will hold onto the assets for future possible events.
- C. D-Star Project - Mt Davidson
- D. This item was discussed in the technical discussion.
- E. Repeater Directory Update
- F. New directory is at the printers and will be available in the next two weeks.
- G. Holiday Party
Brian discussed the event to be held on Saturday Dec 16, at Pinocchios, South Virginia, Time to be determined. Further information will be forthcoming. Motion by Berry to allocate funding the reservation for the facilities. Seconded by John.

7. Board member and Public Comments

During this time members and board of directors may speak on any topic regardless if the item was agendaized.

Pat discussed the annual inspection at Lower Peavine and brought up to remove or replace the fence at the site. Will bring back next actions / plan to submit to the forest service.

8. Adjournment - Action

A. Next Meeting: September 13th, 2023 at 6:00PM, Location to be Announced

B. Call For Adjournment.

Motion by Brian First, Second Berry, Motion Approved, Adjournment at 7:02pm